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(71) Applicants: **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US). **PHARMACOPEIA, INC.** [US/US]; 3000 Eastpark Boulevard, Cranbury, NJ 08512 (US).

(72) Inventors: **GUZI, Timothy, J.**; 48 Red Road, Chatham, NJ 07928 (US). **PARUCH, Kamil**; 20 Third Avenue, Garwood, NJ 07027 (US). **DWYER, Michael, P.**; 235 Katherine Street, Scotch Plains, NJ 07076 (US). **DOLL, Ronald, J.**; 8 Concord Lane, Convent Station, NJ 07960 (US). **GIRIJAVALLABHAN, Viyyoor, Moopil**; 10 Maplewood Drive, Parsippany, NJ 07054 (US). **ALVAREZ, Carmen, S.**; 121 Walnut Street, Livingston, NJ 07039 (US). **CHAN, Tin-Yau**; 26 Barlow Road, Edison, NJ 08817 (US). **KNUTSON, Chad**; 10 Cedar Street, Garwood, NJ 07027 (US). **MADISON, Vincent**; 12 Ronarm Drive, Mountain Lakes, NJ 07046 (US). **FISCHMANN, Thierry, O.**; 2700 Sky Top Drive, Scotch Plains, NJ 07076 (US). **DILLARD, Lawrence, W.**; 278 Spring Hill Road, Skillman, NJ 08558 (US). **TRAN, Vinh, D.**; 17374 Winemast Street, Fountain Valley, CA 92708 (US). **HE, Zhen Min**; 5 Pennyroyal Court, Princeton, NJ 08540 (US). **JAMES, Ray, Anthony**; 1036 Radcliffe Street, Bristol, PA 19007 (US). **PARK, Haengsoon**; 8910 Tamarron Drive, Plainsboro, NJ 08536 (US).

(74) Agent: **KALYANARAMAN, Palaiyur, S.**; Schering Corporation, Patent Department K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

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(54) Title: NOVEL PYRAZOLOPYRIMIDINES AS CYCLIN DEPENDENT KINASE INHIBITORS

(57) Abstract: In its many embodiments, the present invention provides a novel class of pyrazolo[1,5-a]pyrimidine compounds as inhibitors of cyclin dependent kinases, methods of preparing such compounds, pharmaceutical compositions containing one or more such compounds, methods of preparing pharmaceutical formulations comprising one or more such compounds, and methods of treatment, prevention, inhibition, or amelioration of one or more diseases associated with the CDKs using such compounds or pharmaceutical compositions.